DAIKIN AC
absolute comfort

For Residential
& Light Commercial
Applications

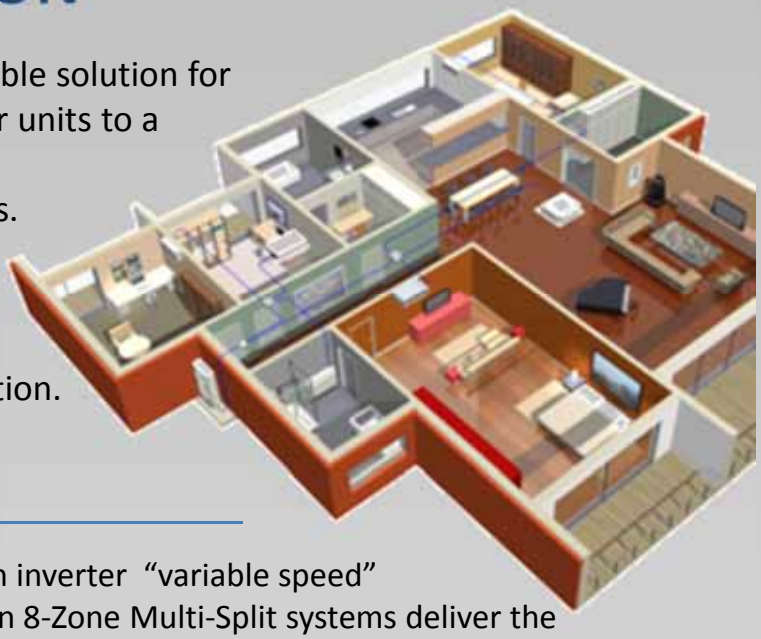
AHRI CERTIFIED

HEAT PUMP
INVERTER
R-410A

4-Ton 8-Zone Multi-Split Heat Pump System

Expertise and Innovation

The 8-Zone Multi-Split System is the ultimate, flexible solution for individual zone comfort. Connecting up to 8 indoor units to a single outdoor unit reduces installation space and costs while maximizing comfort and energy savings. With a choice of three indoor unit types in a wide range of capacities, the 8-Zone Multi-Split allows mixed and matched combinations for absolute comfort in almost any residential application.



Energy Efficiency

Up to

18.8 SEER

11.3 HSPF

Integrated with an inverter "variable speed" compressor, Daikin 8-Zone Multi-Split systems deliver the capacity required to maintain desired room conditions, typically reducing energy consumption by 30% compared to traditional fixed speed systems. This technology minimizes temperature fluctuations and provides continuous cooling and heating comfort with maximum energy savings.

Individual Comfort and Control

The standard wireless controller provides individual temperature control at the click of the button. Most Indoor units are also compatible with the new Daikin ENVi intelligent thermostat, offering a more advanced solution, designed with energy savings performance in mind. With the freedom to access, program and control the system from a smart phone, tablet, or computer, users can have peace of mind - anytime, anywhere.

Note: The Daikin ENVi thermostat is not compatible with the FFQ Indoor Units

Built-in Reliability

All major components are engineered and manufactured by Daikin, ensuring maximum performance, reliability and efficiency. The standard warranty provides a solid level of protection on the 8-Zone Multi-Split system. Systems installed by an authorized Daikin Dealer who has completed Daikin's advanced training can take advantage of Warranty Plus – the best warranty in the industry.

Find a Daikin Dealer near you at www.daikinac.com.

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Design Flexibility

The 8-Zone Multi-Split System can be combined with a variety of ducted and ductless models with a total of 15 indoor unit variations.

Indoor Unit Availability						
	Capacity					
Indoor Type	7 MBH	9 MBH	12 MBH	15 MBH	18 MBH	24 MBH
Wall Mount	●	●	●	●	●	●
Slim Duct		●	●	●	●	●
2' x 2' Cassette		●	●	●	●	

CTXS_H, CTXS_LV, FTXS_LV

Wall Mounted Unit

Blends with any décor with it's sleek and sophisticated design

Enhanced indoor air quality with the titanium apatite photocatalytic air purification filter which absorbs microscopic particles and decomposes odors

Increased energy savings with the intelligent eye function which reduces operation in unoccupied spaces

FDXS_LV, CDXS_LV

Concealed Slim Duct

Maximized floor and wall space with it's compact and concealed design

Undisturbed comfort with low operating sound levels

Cleaner air with the removal or airborne dust particles by the standard mold proof air filter

FFQ_LV

2' X 2' Ceiling Cassette

Enhanced comfort with uniform airflow and temperature distribution

Draught free protection with horizontal air discharge

Simple installation with an easy-to-fit decoration panel that blends with any interior design

Easy maintenance with an easy-to-clean grille and washable long life filter

BPMKS

Branch Provider Unit

Varies the refrigerant volume to meet the cooling or heating requirements of each room connected to the system.

Facilitates zone on/off and capacity control to operate rooms individually via zone temperature controls

Simple installation with flare nut connections

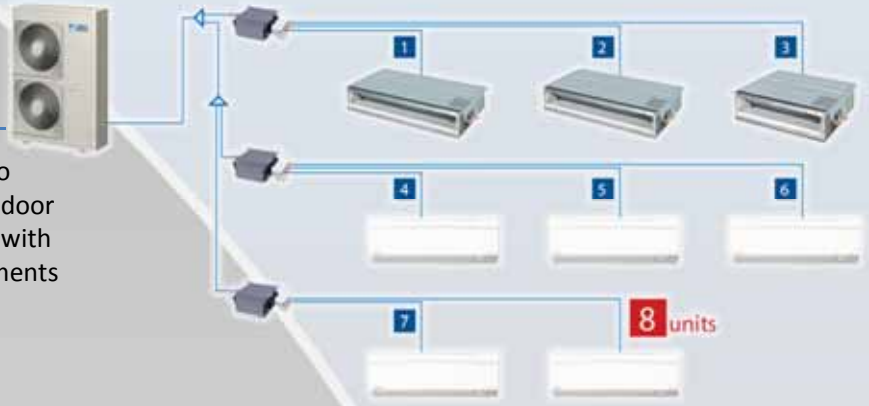
REFNET joint

Reduces the amount of work involved in installation and increases the reliability of the system.

LEADING TECHNICAL PERFORMANCE

Up to 8 indoor units can be connected to a single outdoor unit

A High Efficiency solution with optimum flexibility to provide zoning for with the connection of up to 8 indoor units utilizing long pipe lengths, ease of installation with standardized line-sets, simplified electrical requirements and staged installations



Outdoor Units – RMXS48LVJU		
Model Name		RMXS48LVJU
Nominal Capacity (Cooling / Heating)	Btu/h	48,000 / 54,000
SEER / HSPF	Non Ducted	18.8 / 11.3
	Mixed	16.5/10.5
	Ducted	14.1/9.6
EER / COP	Non Ducted	10.3/3.0
	Mixed	9.8/2.9
	Ducted	9.3/2.7
Power Supply		208/230V - 1Ø - 60Hz
Minimum Circuit Amps	A	27.0
Maximum Overcurrent Protection	A	30.0
Sound Pressure - (Cooling/Heating)	dB(A)	56/58
Connection Ratio (Max Capacity for BPMKS Boxes)		50 - 130%
Number of Connectable Indoor Units		2 to 8
Number of Connectable BP Units		1 to 3
Total System Piping Length	ft. (m)	440 (135)
Max. Piping Length(OU to BP Box)	ft. (m)	180 (55)
Max. Piping Length(IU to BP Box)	ft. (m)	49 (15)
Total Piping Length (OU to BP Box)	ft. (m)	180 (55)
Total Piping Length (BP to IU)	ft. (m)	262 (80)
Max. Piping Height (OU to IU)	ft. (m)	98 (30)
Max. Piping Height (IU to BP Box)	ft. (m)	98 (30)
Max. Piping Height (BP to BP Box)	ft. (m)	49 (15)
Piping Connection Kit		KHRP26A22T
Operating Range – (Cooling/Heating)	°F DB	23 – 115/5 - 75
Dimensions (H x W x D)	in.	52-15/16 x 35-7/16 x 12-5/8
Net Weight	lbs.	283.0

BP Units				Up to 2 Zones	Up to 3 Zones
Model Name				BPMKS048A2U	BPMKS049A3U
					
Power Supply				Single phase 60Hz 208/230V	
Power Consumption			W	10	10
Running Current			A	0.05	0.05
Sound Pressure - (Cooling/Heating)			dB(A)	32/32	32/32
Number of Connectable Indoor Units				1 to 2	1 to 3
Min. Connection Combination				7,000	7,000
Max. Connection Combination				48,000	62,000
Piping Connections (O.D.)	Liquid	Outdoor Unit Side	in.	Ø 1/4 x 2	Ø 1/4 x 3
		Indoor Unit Side	in.	Ø 1/4 x 2	Ø 1/4 x 3
		Connection Type		Flare	Flare
	Gas	Outdoor Unit Side	in.	Ø 5/8 x 2	Ø 5/8 x 3
		Indoor Unit Side	in.	Ø 5/8 x 2	Ø 5/8 x 3
		Connection Type		Flare	Flare
Dimensions (H x W x D)			in.	7-1/16 x 11-9/16 x 13-3/4	
Net Weight			lbs.	18.0	20.0

Nominal Conditions:

Cooling Mode
Indoor: 80 °F DB / 67 °F WB
Outdoor: 95 °F DB
Pipe Length: 25 ft.
Level Difference: 0 ft.

Heating Mode
Indoor: 70 °F DB
Outdoor: 47 °F DB / 43 °F WB
Pipe Length: 25 ft.
Level Difference: 0 ft.

Note:
Specifications are subject to change without notice.

Indoor Units - CTXS_HVJU, CTXS_LVJU, and FTXS_LVJU Wall Mounted Units				0.6-Ton	0.75-Ton	1.0-Ton	1.25-Ton	1.5-Ton	2.0-Ton
Model Name				CTXS07LVJU	CTXS09HVJU	CTXS12HVJU	FTXS15LVJU	FTXS18LVJU	FTXS24LVJU
Airflow-Wet (H/M/L/SL)			CFM	332/261/194/145	388/335/283/-	388/335/283/-	568/477/385/360	583/484/385/360	643/494/350/328
Airflow-Dry (H/M/L/SL)			CFM	350/290/233/219	400/357/314/-	400/357/314/-	593/505/417/371	625/526/431/399	699/572/445/403
Sound Pressure - Cooling (H/M/L/SL)			dB(A)	38/32/25/22	44/40/35/-	45/41/36/-	45/40/35/32	46/41/36/33	51/44/37/34
Sound Pressure - Heating (H/M/L/SL)			dB(A)	38/33/28/25	44/39/34/-	45/40/35/-	43/38/33/30	45/40/35/32	48/42/37/34
Piping Connections	Liquid (O.D.)		in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)		in.	Ø 3/8	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 5/8
	Condensate Drain Connection (O.D.)		in.	Ø 5/8	Ø 11/16	Ø 11/16	Ø 5/8	Ø 5/8	Ø 5/8
Dimensions (H x W x D)			in.	11-5/8 x 31-1/2 x 8-7/16	11-7/16 x 31-5/16 x 9-3/8		13-3/8 x 41-5/8 x 9-3/4		
Net Weight			lbs.	20.0	20.0	20.0	31.0	31.0	31.0

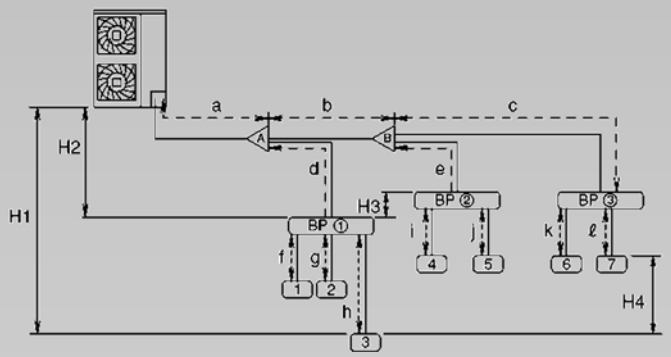
Indoor Units - FDXS_LVJU and CDXS_LVJU Slim Duct Units				FDXS09LVJU	FDXS12LVJU	CDXS15LVJU	CDXS18LVJU	CDXS24LVJU
Model Name								
External Static Pressure			"W.G.	0.12	0.12	0.16	0.16	0.16
Airflow-Wet (H/M/L/SL)			CFM	305/280/260/235	305/280/260/235	424/388/353/297	424/388/353/297	424/388/353/297
Airflow-Dry (H/M/L/SL)			CFM	305/280/260/235	305/280/260/235	424/388/353/297	424/388/353/297	424/388/353/297
Sound Pressure - Cooling (H/M/L/SL)			dB(A)	35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	37/35/33/31
Sound Pressure - Heating (H/M/L/SL)			dB(A)	35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	37/35/33/31
Piping Connections	Liquid (O.D.)		in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)		in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 1/2
	Condensate Drain		in.	Ø 25/32	Ø 25/32	Ø 25/32	Ø 25/32	Ø 25/32
Dimensions (H x W x D)			in.	7-7/8 x 27-9/16 x 24-7/16		7-7/8x35-7/16x24-7/16		
Net Weight			lbs.	47.0	47.0	60.0	60.0	60.0

Indoor Units - FFQ_LVJU 2'x2'Duct Units				FFQ09LVJU	FFQ12LVJU	FFQ15LVJU	FFQ18LVJU
Model Name							
Airflow Rate (H/L)			CFM	318/230	353/230	424/283	530/353
Sound Pressure - Cooling (H/L)			dB(A)	35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31
Sound Pressure - Heating (H/L			dB(A)	35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31
Piping Connections	Liquid (O.D.)		in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)		in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2
	Condensate Drain (O.D.)		in.	Ø 1-1/32	Ø 1-1/32	Ø 1-1/32	Ø 1-1/32
Dimensions – Unit (H x W x D)			in.	11-1/4 x 22-5/8 x 22-5/8			
Dimensions – Deco Panel (H x W x D)			in.	2-1/4 x 27-5/8 x 27-5/8			
Net Weight			lbs.	38.5	38.5	38.5	38.5

TIME-SAVING INSTALLATION AND EASE

Longer Refrigerant Piping

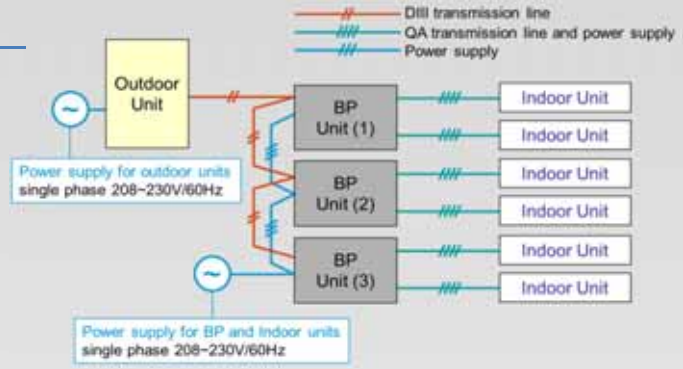
Longer refrigerant piping capabilities offers much more flexibility in the choice of installation positions for the indoor units, and greatly simplifies system layout.



Piping Requirements			Allowable Length Details
Maximum allowable length	Between outdoor and BP units	Total piping length	Piping length between outdoor and BP units ≤ 180 ft (55 m) - [Example] a+b+c+d+e ≤ 180 ft
	Between BP and indoor units	Total piping length	Piping length between BP and indoor units: 262 ft (80 m) - [Example] f+g+h+i+j+k+l ≤ 262ft
	Between BP and indoor unit	1 room length	Piping length between BP and indoor unit ≤ 49 ft (15 m) - [Example] f, g, h, i, j, k, l ≤ 49 ft
Allowable height	Between outdoor and indoor units	Difference in height	Difference in height between outdoor and indoor units (H1) ≤ 98 ft (30 m)
	Between outdoor and BP units		Difference in height between outdoor and BP units (H2) ≤ 98 ft (30 m)
	Between BP and BP units		Difference in height between BP and BP units (H3) ≤ 49 ft (15 m)
	Between indoor and indoor units		Difference in height between indoor and indoor units (H4) ≤ 49 ft (15 m)
Minimum allowable length		Piping length	Pipe length between outdoor unit and first refrigerant branch kit (refnet joint) ≥ 16.4 ft [Example] a ≥ 16.4 ft
Allowable length after the REFNET branch			Piping length from first refrigerant branch kit (REFNET joint) to indoor unit ≤ 131 ft (40 m) [Example] unit 6: b+c+k ≤ 131 ft [Example] unit 5: b+e+j ≤ 131 ft [Example] unit 3: d+h ≤ 131 ft
Additional refrigerant calculation			R= (Total length (ft / m) of liquid piping size at ø3/8 inch (ø9.5 mm)) × 0.036 lb./ft (0.054 kg/m) + (Total length (ft / m) of liquid piping size at ø1/4 inch (ø6.4 mm))

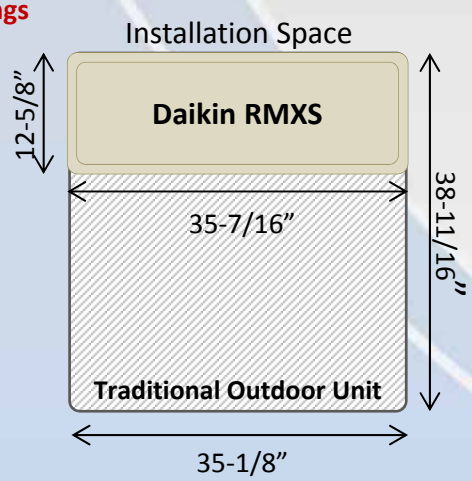
Simplified Electrical Wiring

The outdoor unit and BP units operate from separate 208/230V single-phase power supplies. Indoor units are powered from the BP unit and wired as Daikin's current 4 wire single split systems reducing the wiring size and easing installation



Space Saving Design

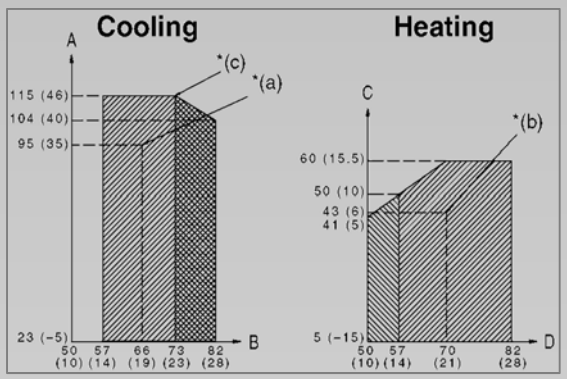
More than 60% in physical space savings
More than 80% in total (including clearances) space savings



System Operation Range

Cooling Operation	23 °FDB – 115 °FDB Ambient Temperature
	57 °FWB – 82 °FDB Indoor Room Temperature
Heating Operation	5 °FDB – 60 °FWB Ambient Temperature
	50 °FDB – 82 °FDB Indoor Room Temperature

Note: No low ambient option exists with this product line.



WARNINGS:

- Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a licensed contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

For any inquiries, contact your local Daikin sales office.

Use of the AHRI Certified™ mark indicates a manufacturer's participation in the certification program. For verification of certification for individual products, go to www.ahridirectory.org

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